

Toutes les
photos (1)

Documents

 [FDS](#)

 [COO/COA](#)

 [Fiche des caractéristiques](#)

Plus de
documents 

P6282  **Sigma-Aldrich.**

Poly-L-lysine hydrobromide

★★★★★ (0)

mol wt 70,000-150,000, lyophilized powder, γ-irradiated, BioXtra, suitable for cell culture

Synonyme(s):

PLL HBr

Numéro CAS: **25988-63-0**

Numéro MDL: **MFCD00237230**

eC@ss: 32160406

ID de substance PubChem: **24898753**

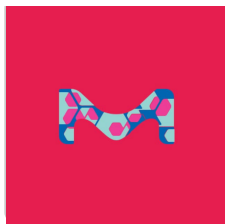
NACRES: NA.75

Référence	Conditionnement	Disponibilité	Prix	Quantité
P6282-5MG	5 MG	 Disponible pour expédition le 07 octobre 2022 Détails...	103,00 €	- + 

[Demander une commande en gros](#)

[Ajouter au panier](#)

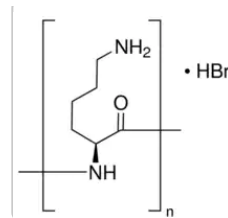
PRODUITS RECOMMANDÉS



Sigma-Aldrich

P4707**Poly-L-lysine solution**

0.01%, sterile-filtered, BioReagent, suitable for cell culture

[Consulter le prix et la disponibilité](#)

Sigma-Aldrich

P2636**Poly-L-lysine hydrobromide**

mol wt 30,000-70,000

[Consulter le prix et la disponibilité](#)

PROPRIÉTÉS

Niveau de qualité	200
Stérilité	γ-irradiated
Gamme de produits	BioXtra
Forme	lyophilized powder
Poids mol.	70,000-150,000
Conditionnement	pkg of 5 mg
technique(s)	cell culture mammalian: suitable
Solubilité	H ₂ O: soluble 50 mL/vial, clear, colorless
Expédié(e)s dans	ambient
Temp. de stockage	-20°C

SMILES string	Cl.NCCCCC(N)C(O)=O
InChI	1S/C18H38N6O4/c19-10-4-1-7-13(22)16(25)23-14(8-2-5-11-20)17(26)24-15(18(27)28)9-3-6-12-21/h13-15H,1-12,19-22H2,(H,23,25)(H,24,26)(H,27,28)/t13-,14-,15-/m0/s1
InChI key	WBSCNDJQPKSPII-KKUMJFAQSA-N

Vous recherchez des produits similaires ? Visitez [Guide de comparaison des produits](#)

Catégories apparentées

[Attachment Factors](#)

DESCRIPTION

Application

Poly-L-lysine hydrobromide has been used to precoat glass bottom dishes used for *in vitro* cell culture.

Recommended as a cell culture substratum when using 0.5 ml of a 0.1 mg/ml solution to coat 25 cm². Optimal conditions for attachment must be determined for each cell line and application.

Composants

Poly-L-lysine is a positively charged amino acid polymer with approximately one HBr per lysine residue. The hydrobromide allows the poly-L-lysine to be in a crystalline form soluble in water. A small amount of product may be found in the beta structure because the HBr interferes with hydrogen bonding between amino and either the carboxyl groups or N or O containing moieties.

Attention

Sterile solutions are stable for up to 2 years when stored at 2-8°C. It should be stored desiccated at -20°C.

Remarque sur l'analyse

Molecular weight based on viscosity. Also assayed by MALLS.

Autres remarques

For additional technical information on polyamino acids please visit the [Polyamino acid FAQ resource](#).

PRODUITS APPARENTÉS

Produit Apparenté

06693

Timestrip Plus™ -20 °C

[View Pricing](#)

INFORMATIONS SUR LA SÉCURITÉ

**Code de la classe de
stockage**

11 - Combustible Solids

WGK

WGK 3

Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

Équipement de protection

individuelle

Eyeshields, Gloves, type N95
(US)

DOCUMENTATION

Certificat d'analyse

Saisir un numéro de lot pour rechercher un certificat d'analyse (COA).

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COA)

Rechercher

Certificat d'origine

Saisir un numéro de lot pour rechercher un certificat d'origine (COO).

Numéro de lot

e.g. 023J5431

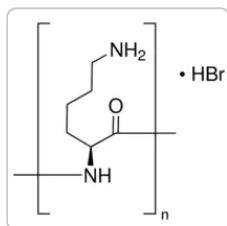
Comment saisir un numéro de lot (COO)

Rechercher

Plus De Documents

[Spectra for FT-IR Raman](#)[Structure Search](#)[FDS](#)

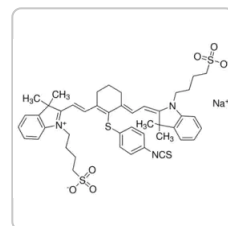
LES CLIENTS ONT ÉGALEMENT CONSULTÉ



Sigma-Aldrich

P2636**Poly-L-lysine hydrobromide**

mol wt 30,000-70,000

[Consulter le prix et la disponibilité](#)

Sigma-Aldrich

15167**NIR-797 isothiocyanate**

suitable for fluorescence, ≥70% (coupling to amines)

[Consulter le prix et la disponibilité](#)

ARTICLES REVUS PAR DES PAIRS

Contactin 4, -5 and -6 differentially regulate neuritogenesis while they display identical PTPRG binding sites.

Oriane Mercati et al.*Biology open*, 2(3), 324-334 (2013-03-23)

The neural cell-adhesion molecules contactin 4, contactin 5 and contactin 6 are involved in brain development, and disruptions in contactin genes may confer increased risk for autism spectrum disorders (ASD). We describe a co-culture of rat cortical neurons and HEK293

Transient Magnetothermal Neuronal Silencing Using the Chloride Channel Anoctamin 1 (TMEM16A).

Rahul Munshi et al.*Frontiers in neuroscience*, 12, 560-560 (2018-08-30)

Determining the role and necessity of specific neurons in a network calls for precisely timed, reversible removal of these neurons from the circuit via remotely triggered transient silencing. Previously, we have shown that alternating magnetic field mediated heating of magnetic

Does NAD (P) H oxidase-derived H₂O₂ participate in hypotonicity-induced insulin release by activating VRAC in beta-cells?

Crutzen R, et al.

Pfluegers Archiv, 463(2), 377-390 (2012)

CXCR4 controls ventral migration of sympathetic precursor cells

Kasemeier KJC, et al.

The Journal of Neuroscience, 30(39), 13078-13088 (2010)

A cell permeable NPE caged ADP-ribose for studying TRPM2.

Peilin Yu et al.

PloS one, 7(12), e51028-e51028 (2012-12-14)

Transient potential receptor melastatin-2 (TRPM2) is a non-selective Ca(2+)-permeable cation channel of the TRPM channel subfamily and is mainly activated by intracellular adenosine diphosphate ribose (ADPR). Here we synthesized a 1-(2-nitrophenyl)ethyl caged ADPR (NPE-ADPR) and found that uncaging of NPE-ADPR

[Afficher tous les articles scientifiques apparentés](#)

PROTOCOLES ET ARTICLES SCIENTIFIQUES

Articles

[Poly-lysine | Poly-D-Lysine | Poly-L-Lysine](#)

Poly-Lysine enhances electrostatic interaction between negatively-charged ions of the cell membrane and positively-charged surface ions of attachment factors on the culture surface. When adsorbed to the culture surface, it increases the number of positively-charged sites available for...

[Cancer Stem Cells: Targets for Cancer Therapy](#)

Cancer stem cell media, spheroid plates and cancer stem cell markers to culture and characterize CSC populations.

Extracellular Matrix Proteins and Tools for Cell Culture Optimization

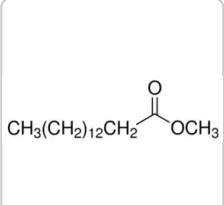
Extracellular matrix proteins such as laminin, collagen, and fibronectin can be used as cell attachment substrates in cell culture.

Protocoles

Poly-L-Lysine Cell Attachment Protocol

Adhere cells to solid substrates using poly-lysine, which enhances electrostatic interaction between negatively charged ions of the cell membrane and the culture surface.

PRODUITS CONSULTÉS RÉCEMMENT



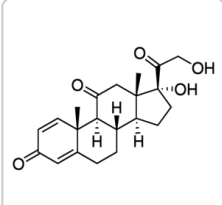
Sigma-Aldrich

P6250

Methyl pentadecanoate

≥98.5%

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

P6254

Prednisone

≥98%

[Consulter le prix et la disponibilité](#)

Évaluations

★★★★★

[Soyez le premier à donner votre avis sur ce produit](#)

Questions

Soyez le premier à poser une question

SERVICE TECHNIQUE

Notre équipe de scientifiques dispose d'une expérience dans tous les secteurs de la recherche, notamment en sciences de la vie, science des matériaux, synthèse chimique, chromatographie, analyse et dans de nombreux autres domaines..

Contactez notre Service technique

© 2022 Merck KGaA, Darmstadt, Allemagne et/ou ses sociétés affiliées. Tous droits réservés.

La reproduction d'une quelconque partie du contenu de ce site est strictement interdite sans autorisation.

[Conditions d'utilisation du site](#) | [Politique de confidentialité](#) | [Conditions générales de vente](#) | [Consentement relatif au copyright](#) | [Paramètres des cookies](#)